SOUND DEVICES

Astral Remote Control App for Astral Transmitters User Guide

v8.40

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Introduction

Astral Remote is an application for Android/iOS mobile devices designed to wirelessly remote-control individual or groups of Astral (Astral HH, Astral TX, Astral Mini Plus, and Astral Mini) transmitters. Astral Remote also pairs with Astral Receivers (Astral ARX32, Astral ARX16, and Astral ARX8) to allow easy setting of country, authorization of restricted frequencies, and synchronization of date/time across all Astral devices.

Astral Remote offers Bluetooth remote control and display of the following:

- Power On/Off, RF On/Off
- Monitor battery status
- Frequency, Modulation, and RF power setup
- Monitor audio signal presence
- Microphone mute
- Record/Stop
- Timecode display
- Media formatting and monitoring of remaining space
- Group control of multiple transmitters
- Various Astral transmitter settings including Name, Mode, Display, LEDs, Switches, Control Rings, and more

Download and install the Astral Remote app from the Google Play Store or Apple App Store.

Astral Remote has the following minimum operating requirements:

• Android tablets and phones running Android 8+.
• iPad and iOS devices running iOS 15+.

The device must have Bluetooth and Location Services enabled to connect with an Astral transmitter.

IMPORTANT: The mobile device’s location is used to determine available frequencies and RF power levels of paired Astral transmitters and receivers. The Country setting is automatically set using the mobile device’s Location Services.

Paired transmitters use the mobile device’s system date/time as the creation date/time stamp for recorded files.

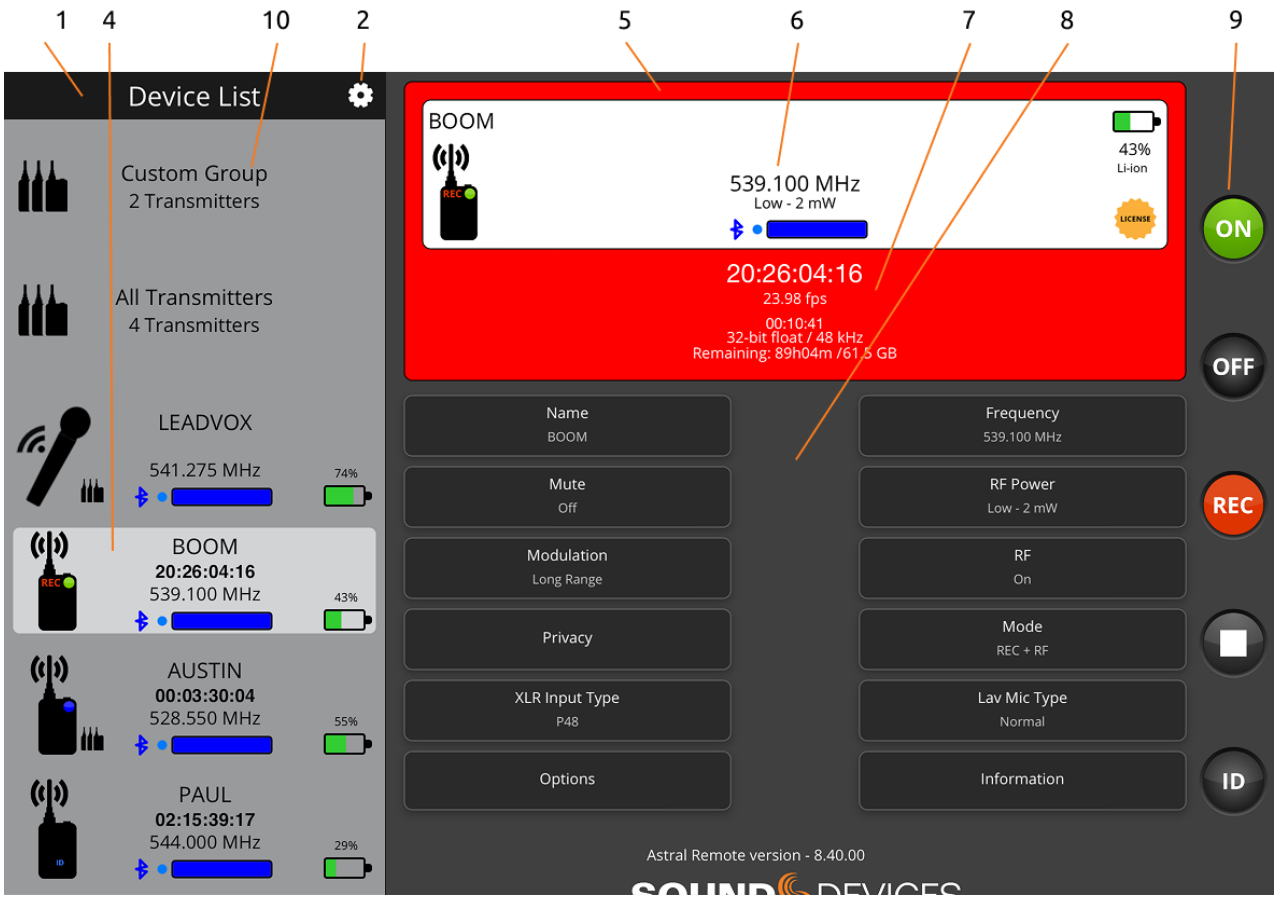
When Astral Remote is used to control a transmitter, we recommend disabling its NexLink to improve range from the app to the transmitter. See Enable NexLink

Terminology used throughout this guide:

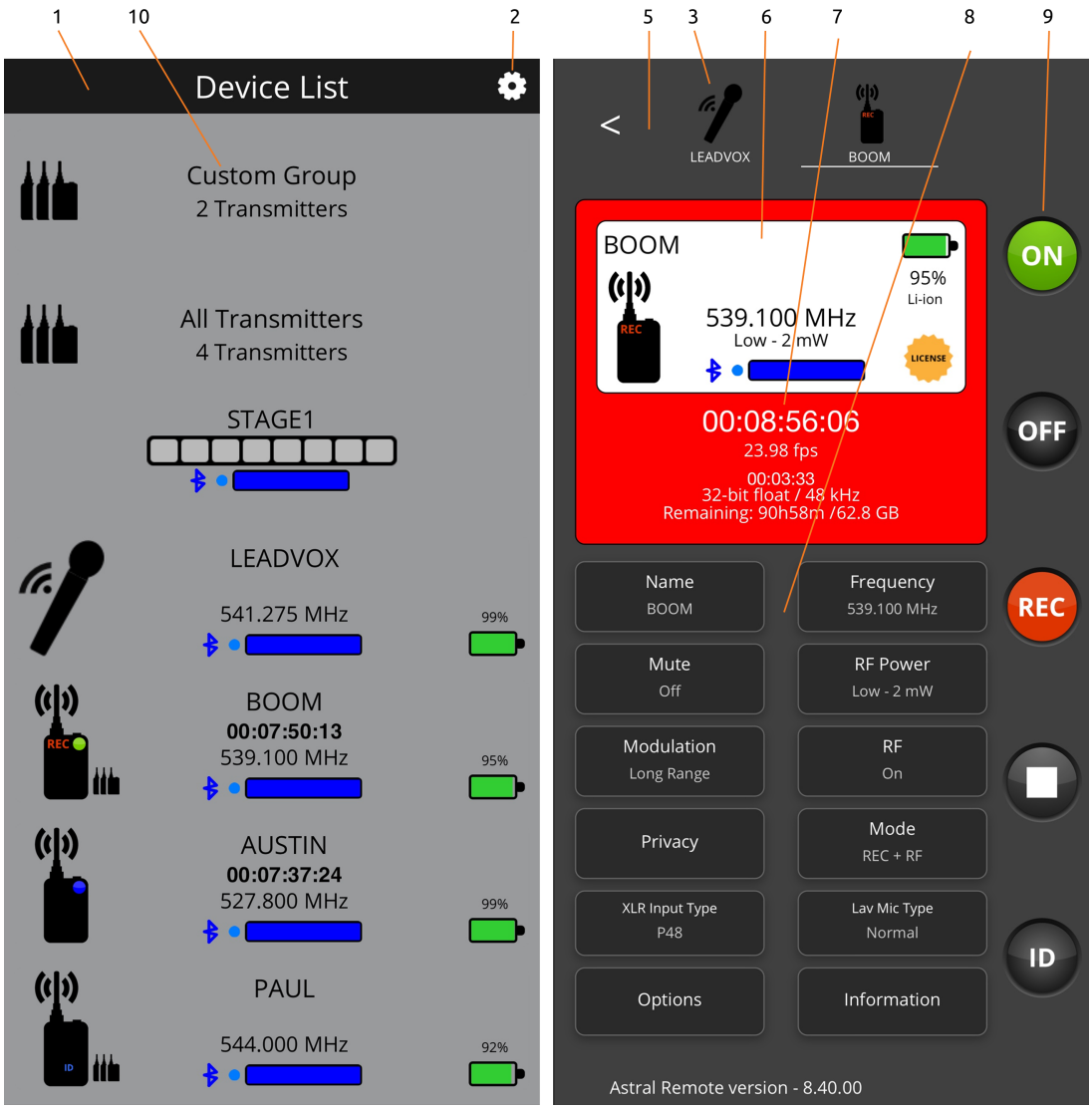
● Astral device refers to any Astral transmitter or Astral receiver
● Astral transmitter refers to the Astral Mini, Astral Mini Plus, Astral TX, and Astral HH
● Astral receiver refers to the Astral ARX32, Astral ARX16, and Astral ARX8

Interface Overview

Tablet View


1
4
10
2
5
6
7
8
9
Device List
Custom Group
2 Transmitters
All Transmitters
4 Transmitters
LEADVOX
541.275 MHz
74%
BOOM
20:26:04:16
539.100 MHz
43%
AUSTIN
00:03:30:04
528.550 MHz
55%
PAUL
02:15:39:17
544.000 MHz
29%
BOOM
539.100 MHz
Low - 2 mW
43%
Li-ion
20:26:04:16
23.98 fps
00:10:41
32-bit float / 48 kHz
Remaining: 89h04m /61.5 GB
Name
BOOM
Frequency
539.100 MHz
Mute
Off
RF Power
Low - 2 mW
Modulation
Long Range
RF
On
Privacy
Mode
REC + RF
XLR Input Type
P48
Lav Mic Type
Normal
Options
Information
ON
OFF
REC
ID
Astral Remote version - 8.40.00

Phone View



- Device List

  Lists all paired and enabled devices (Astral transmitters and receivers) and transmitter groups. The list order can be changed by dragging a device vertically to a new position in the list. Only Devices that are enabled in the Manage Devices view appear in the Device List. Tap a device to display its full Device view. Tap a Transmitter Group to display its Group View. The Device List also displays paired Astral receivers. See Device List for more details.

- Manage Devices

  Touch the Gear icon to show the Manage Devices view from which you can pair and enable transmitters and receivers, set Country, set up groups, unlock restricted frequencies with Frequency Authorizations, access Astral transmitter User Guides, and

view Astral Remote version information. See Manage Devices for more details.

- Transmitter Quick List (Phone View Only)
  From a phone, the Transmitter List and Transmitter View are not displayed simultaneously. The Quick List is a simplified version of the Device List allowing for quick selection of transmitters from the Device View. The list is horizontally scrollable and lists transmitters by name with their Status indicator. Tap the Back button to return to the Device List.
- Selected Device or Group
  Tap any transmitter, receiver, or Group in the Device List to show its Device view. From a tablet, the highlighted device or group in the Device List indicates the device or group shown on the right-hand side of the app. From a phone, the selected device or group is the one displayed in the Device View and underlined in the Transmitter Quick List.
- Device View
  Displays the selected device's status window and provides access to the device's settings. See Device View for further details.
- Transmitter Status Window
  Displays the active transmitter's name, transmitter status, battery life, power source, frequency, RF power level, licensed frequency icon, and Bluetooth signal strength meter.
- Record and Timecode Window
  Displays the current timecode value, frame rate, absolute time of recording, and the remaining time and space of media. The window is red when the transmitter is actively recording. This window is not displayed when the Astral transmitter Mode is set to RF Only.
- Transmitter Settings
  This menu offers control of the Astral transmitter Name, RF Frequency, Mute Mic, RF Power, RF On/Off, XLR Input Type (Astral TX only), Lav Mic Type (Astral TX Only), Modulation, Privacy, Mode, Options, and access to Astral transmitter Information.
- Transmitter Controls
  Allows control of the active transmitter's Power On, Power Off, Record, Stop, and

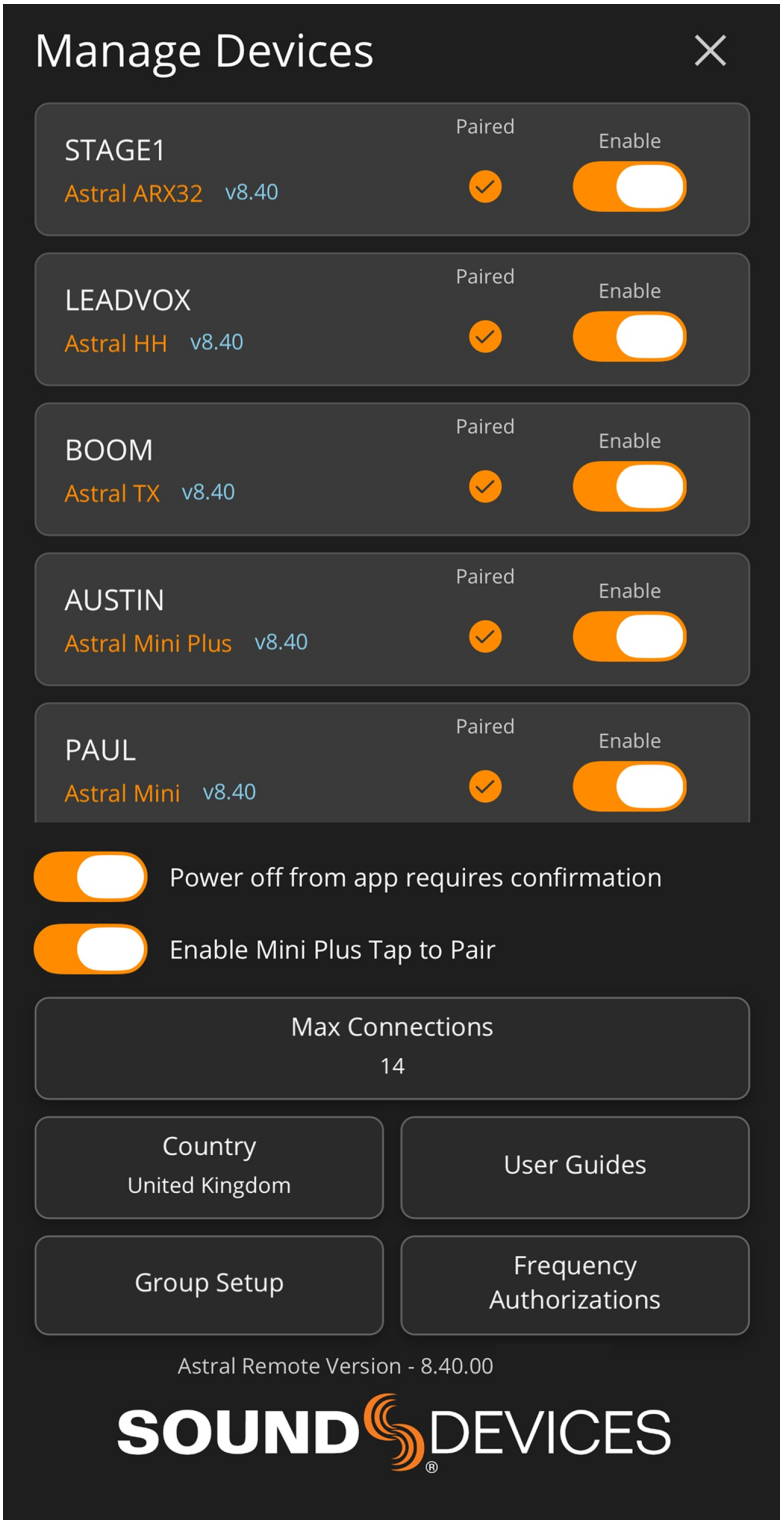
Identify mode.

- Transmitter Groups
  Transmitter Groups enable control of multiple transmitters with a single command. The ‘All’ and ‘Custom’ Transmitter Groups are displayed at the top of the Device List. They can be hidden from the Manage Devices > Group Setup menu. See Group Control for further details.

Manage Devices

Manage Devices is the first page displayed when launching the Astral Remote app if no Astral devices have been paired to the mobile device.

Access the Manage Devices list by tapping the Gear icon at the top of the Device List. Manage Devices displays all Astral devices within range that are in Pairing mode and any that have been previously paired to the mobile device. Devices appear in Manage Devices with name, model, and current firmware version. Paired devices that are not in communication (out of range or connected to another mobile device) are displayed in italics and their Enable switch is grayed out.



Pairing an Astral Device with Astral Remote

Put the device into pairing mode. Please refer to each Astral device's user guide for instructions on how to put them into pairing mode. The Make sure all instances of Astral Remote are fully closed on other mobile devices before attempting to pair to a new mobile device.

Access the Manage Devices view. Astral devices that are in pairing mode and are within range appear in the list. Tap the Pair checkbox to pair the Astral device to the mobile device. The Astral device automatically exits Pairing mode once it has been paired with the mobile device. Agree to any Terms and Conditions displayed in the app to continue. To unpair/remove an Astral device from the mobile device, tap the Pair checkbox to clear the checkmark.

Enabling an Astral Device for Control

From the Astral Remote Manage Devices view, enable an Astral device by toggling on the Enable switch. Enabled devices are added to the Device List and can be controlled from Astral Remote. Since only one mobile device can be used to control an Astral device at a time, be sure to disable the Enable switch prior to handing over control from one mobile device to another.

Power Off from App Requires Confirmation

When 'Power off from app requires confirmation' is active, tapping the Power button in a transmitter's Device View displays a confirmation pop-up to avoid accidentally powering off the selected Astral transmitter. Deactivate this option when you want the Power button to

power off Astral transmitters immediately without confirmation.

Max (Simultaneous) Connections

All mobile devices have a maximum number of supported Bluetooth devices (smartwatches, headphones etc.) that they can connect to simultaneously. The maximum number of simultaneous connections is dependent on iOS/Android hardware and operating system version. When Astral Remote attempts to control Astral devices exceeding the maximum number of supported simultaneous connections by the mobile device, there is the potential for communication errors.

The Max Connections setting enables Astral Remote to maintain reliable Bluetooth communication with all Astral devices in situations where there are more devices than the maximum number allowed by the mobile device. It does this by automatically staggering communication. The top devices in the Device List are treated as priority, then communication steps through the remaining devices in the list, one at a time. All of this is managed automatically by Astral Remote.

Determining the Max Connections Value:
Start by setting Max Connections to 7.
If Astral Remote can simultaneously connect to 7 Astral devices, then try setting a higher Max Connections value.If Astral Remote is unable to simultaneously connect to 7 Astral devices, the following warning is displayed:

Connection Failed
Astral [transmitter name] failed to connect.
Consider reducing Max Connections to 6

Reduce Max Connections to 6. If the ‘Connection Failed’ warning keeps being displayed, then decrease Max Connections until the warning no longer appears.

An Astral device has an active connection if a dot is displayed between the transmitter’s Bluetooth symbol and signal strength meter.

The maximum number of available connections is dependent on all Bluetooth devices currently connected to the smartphone/tablet. For this reason, it may be necessary to change Max Connections from time to time and/or disconnect other Bluetooth devices (such as watches, headphones, smart speakers, etc.) not currently in use.

Country

The Country setting determines available unrestricted frequencies and RF Power options. It is the user’s responsibility to operate on allowed frequencies in their region. Make sure to set Astral receivers and Astral ARX2 receivers to the same country as the Astral transmitters. The Country of operation is automatically set by the mobile device’s Location Services.

The quickest way to change the country on an Astral receiver and multiple paired Astral transmitters is as follows:

- Pair the Astral receiver to Astral Remote. The receiver’s pairing command is in its System Menu.
- Select the Astral receiver in Astral Remote’s Device List.
- Tap 'Synchronize Date/Time and Country’ in the Device View.
  “Country Changed. Changing country will not take effect until the Astral receiver is restarted. OK”
  Tap OK
- Restart the Astral receiver. Upon reboot, the Astral receiver will send the new country

setting to all its NexLink'd transmitters.

Group Setup

Enters the Group Setup menu. See Group Control for more information.

User Guides

Tap to open the User Guide selection view with links to the Astral transmitter User Guides.

Frequency Authorizations

The Frequency Authorizations menu allows the unlocking of restricted frequencies that require proof of a valid license before they can be used. See Frequency Authorization for more information.

Astral Remote Version

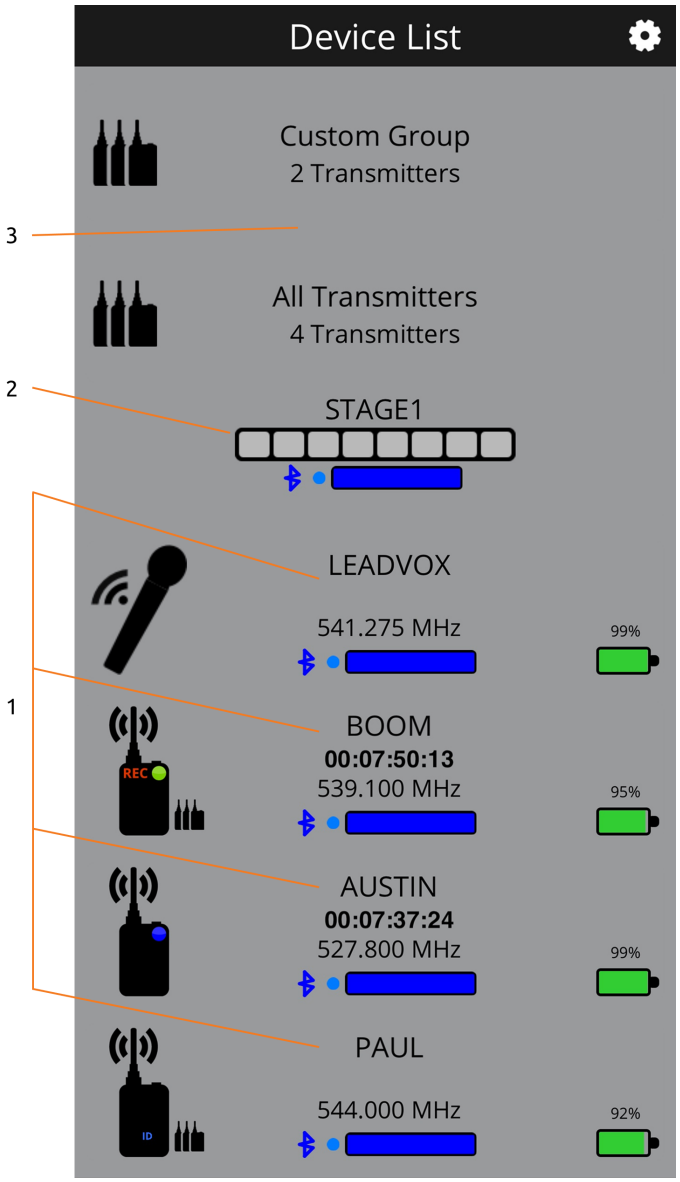
Displays the current Astral Remote software version.

Device List

The Device List is a scrollable list of all paired and enabled devices (Astral transmitters, Astral receivers) and transmitter groups.

Each Astral device is listed with a high-level view of its status.

- In the case of an Astral transmitter, status includes the transmitter's name, RF frequency, Bluetooth connection status and RSSI meter, battery level/charging status, Group assignment, and an Astral transmitter status indicator that displays the Astral transmitter's power, audio presence/mute, record, RF transmission, and ID state.
- In the case of an Astral receiver, status includes the receiver's name and Bluetooth connection status and RSSI meter.
- Groups appear at the top of the Device List. The All Transmitter and Custom Groups can be hidden from the Device List from the Group Setup menu.



Astral Transmitter Status Indicator

Icon (Astral Mini Astral TX)	Icon (Astral HH)	Description
		On The Astral transmitter is on.
		Recording The Astral transmitter is recording.
		Transmitting The Astral transmitter is transmitting.
		Audio Presence Audio signal is present.
		Mic Muted The Astral transmitter is muted.
		Identify Mode The Astral transmitter is being identified using the ID command from Astral Remote or an Astral receiver.
		Off The Astral transmitter is powered off.
		Off, Holding Timecode The Astral transmitter is powered off and holding accurate timecode.

	-	**Unknown State** The Astral transmitter appears with '?' when the status is unknown. This could be displayed because the unit is out of range, or the power source has been removed or depleted.

Custom Group Indicator

The Custom Group indicator is displayed next to the transmitter icon when the Astral transmitter is a member of the custom group. See Group Control for more information.

Bluetooth Signal Strength Indicator

Displays the signal strength of the Astral transmitter Bluetooth signal received by the mobile device. The Bluetooth meter border is red when the mobile device is not communicating with the transmitter. A blue dot appears after the Bluetooth icon when the transmitter is connected.

Battery/Power Status Indicator

Icon	Description
	Battery Level Indicator Displays the level of the battery. Green = Good level Orange = Medium level Red = Low level. Replace with charged battery Flashing Red = Critically low. RF, audio, and recording are disabled. Battery level is also displayed directly above the battery icon as a voltage for the Astral TX, and as a % for the Astral HH and the Astral Mini powered via NP-BX1.
	Battery Charge Indicator Displays the charging status of the battery. Orange = Charging Green = Charging complete
	USB Power Displays when USB is powering the transmitter and there are no batteries inserted.

Device Name

Displays the name of the Astral device. If the device is a transmitter, its name can be changed in the Device View.

Transmitter Timecode

Displays the timecode values in hours:minutes:seconds:frames of the connected transmitter. This allows you to quickly see that the connected Astral transmitters are running the same timecode. It is normal to observe a few frames difference between transmitter timecode

displays. If the transmitter is either off or not connected, timecode values are displayed as --:--:--:--. Timecode values are not displayed in RF Only mode.

Transmitter Frequency

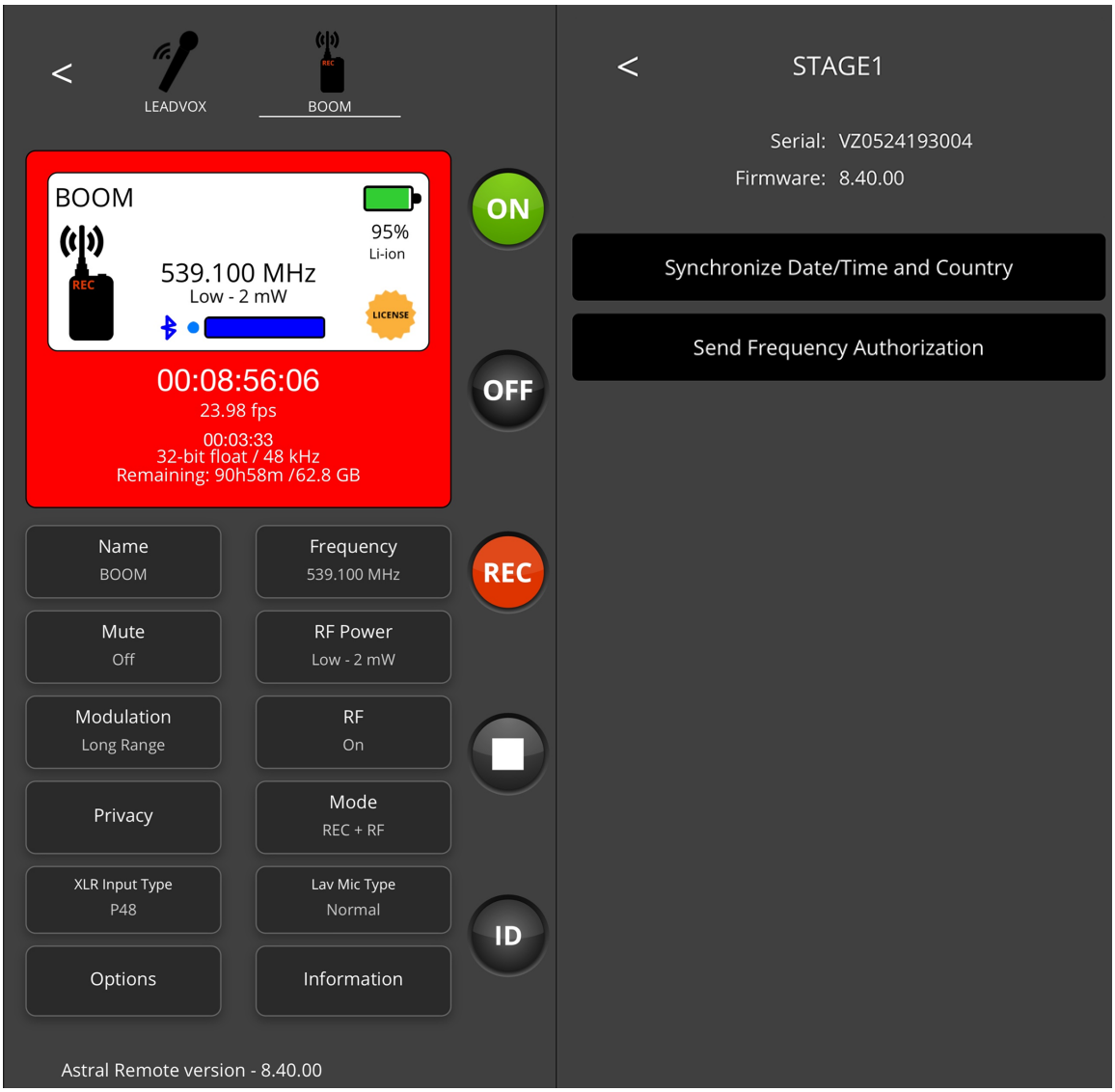
Displays the RF frequency on which the Astral transmitter is transmitting. The transmitter RF frequency can be changed in the Device View.

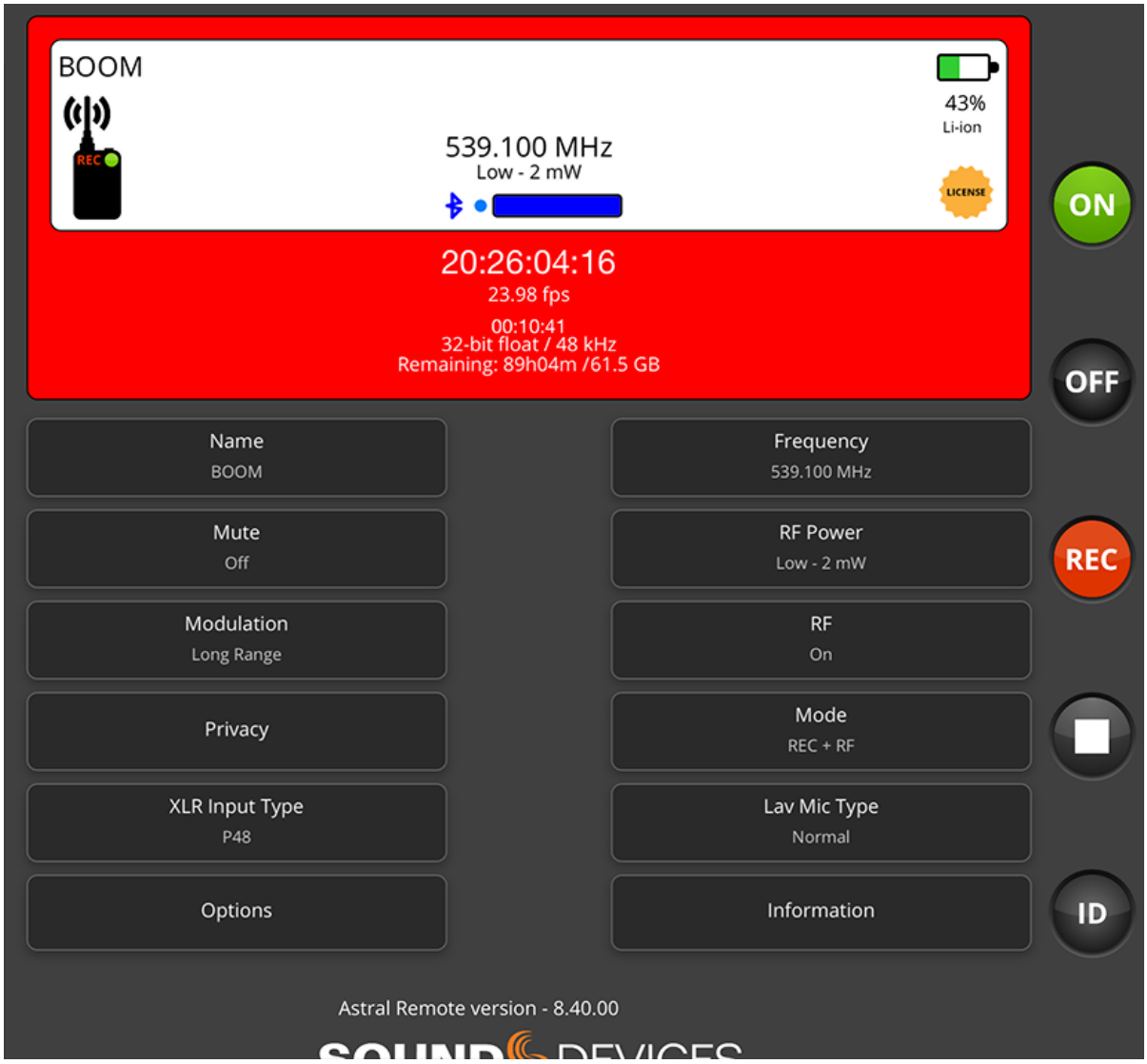
Reordering the Device List

Reorder Device List by touching and holding an Astral device, then dragging it into the desired position. Groups cannot be reordered. Groups can be removed from the Device List in the Group Setup menu.

Device View

Tap a device in the Device List to select its Device View. The Device View displays detailed information, controls, and menus for the selected Astral device. The settings displayed are dependent on whether the device is an Astral receiver or Astral transmitter.


LEADVOX
BOOM
BOOM
95%
Li-ion
539.100 MHz
Low - 2 mW
LICENSE
00:08:56:06
23.98 fps
00:03:33
32-bit float / 48 kHz
Remaining: 90h58m /62.8 GB
ON
OFF
REC
ID
Name
BOOM
Frequency
539.100 MHz
Mute
Off
RF Power
Low - 2 mW
Modulation
Long Range
RF
On
Privacy
Mode
REC + RF
XLR Input Type
P48
Lav Mic Type
Normal
Options
Information
Astral Remote version - 8.40.00
STAGE1
Serial: VZ0524193004
Firmware: 8.40.00
Synchronize Date/Time and Country
Send Frequency Authorization



Quick List (Phone Only)

The Quick List (located at the top of the view) is a horizontally scrollable list of all enabled Astral transmitters along with their Status indicator and transmitter name. Touch a transmitter in the Quick List to display its Device View. Tap the back arrow to exit back to the Device List.

Transmitter Status Window

The Transmitter Status window displays detailed information of the selected transmitter. The Astral transmitter Status indicator, Battery/Power status indicator, and Bluetooth Signal Strength meter are described in detail in the Device List section. In addition, the Transmitter Status window shows the active power source (battery type, USB), RF Transmission Details and License Required status.

Power Source Details

The battery level meter, battery voltage ('%' if the transmitter is an Astral Mini that is powered by NP-BX1), and battery type are displayed in the top right corner of the Transmitter Status Window. USB is displayed when powering the Astral transmitter from USB-C.

RF Transmission Details

RF Transmission details (RF Power and Frequency) are displayed when the Astral transmitter mode is set to RF Only or REC + RF (not available in the U.S. with lav or guitar input sources). The set frequency is displayed in MHz and the RF Power setting is listed below.

License Required

Some frequencies may require a license to operate in your area. The License icon appears as a reminder to the user if the set frequency requires a license for the current Country.

Recording & Timecode Status Window

Recording & Timecode details are displayed when Astral transmitter mode is set to REC Only or REC + RF (not available in the U.S with lav or guitar input sources). Timecode values, frame rate, absolute record time counter, file format (32-bit float, 48 kHz), and remaining record time / space of the media. This window is red when recording.

Controlling the Astral Transmitter from Astral Remote

From the Device View you can set parameters of the Astral transmitter while it is powered on. The transmitter continues to communicate with the app when powered off. While off, the Astral transmitter's current settings are displayed. The transmitter can be powered on or put into Identify mode from the app while it is powered off.

Transmitter Controls

The far right-hand side of the Device View provides easy access to Power On, Power Off, Identify mode, Record, and Stop.

Icon	Description
	Transmitter Power On Touch the Power ON button to power the Astral transmitter on. The button is black when the transmitter is off and green when on.
	Transmitter Power Off Touch the Power OFF button to power the Astral transmitter off. The button is gray when the transmitter is off and black when on. By default, a confirmation pop-up message appears when powering off the Astral transmitter from the app. This can be deactivated in 'Manage Devices' by deactivating 'Power off from app requires confirmation'.
	Record Touch the Record button to start recording. The button is red while recording. The button is gray when recording is not permitted.
	Stop Touch the Stop button to stop recording. The button is yellow while recording is stopped. The button is gray when recording is not permitted.
	Identify Mode Touch the Identify button to put the Astral transmitter into Identify mode. This makes it easy to locate the transmitter. The transmitter's LEDs flash alternating red, green, blue. The Astral TX also vibrates. When Identify mode is active, the Identify button flashes blue and the transmitter Status indicator shows "ID" in blue text. Tap the Identify button again or press the transmitter power button to disable Identify mode. Identify mode is available when Astral transmitters are powered on or off.

Transmitter Settings (Astral Mini, Astral Mini Plus, Astral TX, Astral HH)

The table below details the various transmitter settings that are displayed beneath the Transmitter Status window in the Device View. Settings are dependent on the type of Astral transmitter.

Name

While in the Device View, touch the Name button and use the pop-up QWERTY keyboard to rename the transmitter. Up to twelve alphanumeric characters can be used for the transmitter's name. Transmitter names are sent to Astral Receivers & are also embedded in metadata as the Track Names of recorded WAV files.

Frequency

Touch the Frequency button to enter the Frequency menu. From the frequency menu, use the scroll wheels to select a frequency (integer and fractional of MHz) or use the +400 kHz and -400 kHz buttons. Touch the 'Set Frequency' button to set the frequency and exit back to the Device View.

For the Astral Mini and Astral TX, ensure an antenna with a length specific to the frequency in use is attached to the SMA connector. Using the wrong length of antenna reduces RF range. Tap the Information button for details on what length antenna to use.

RF Power

Astral transmitters offer the following RF power settings:

- Low - 2 mW
- Normal - 10 mW
- High - 20 mW
- Extra High - 40 mW. This setting only appears when Options > 'Allow Extra High RF Power' is active.
- Extra High - 100 mW (Astral HH Only). This setting only appears when Options > 'Allow Extra High RF Power' is active.

Tip: Use Long Range Modulation to increase RF range before considering increasing the RF Power setting.

Modulation

Select Standard, Long Range, or T&M Modulation. When compared to Standard Modulation, Long Range Modulation has better sensitivity. This increased sensitivity results in more robust performance in challenging RF environments. The Modulation setting must match between the Astral transmitter and Astral receiver for the transmitted signal to be received.

Mode

Tap the Mode button to select Mode. Select between RF Only, REC Only, and REC + RF. When Audio Input Type is set to Lav or Guitar, Simultaneous Record and Transmit mode is not available on Astral TX units sold or operated in the United States of America. REC+RF is not available on the Astral HH Record & Timecode details are not displayed in the Transmitter Status Window when 'RF Only' is selected. RF Transmission details are not displayed in the Transmitter Status window when REC Only is selected.

Mute Mic

Tap the Mute Mic button to mute the microphone. When muted, no audio is present in the recordings or transmitted. Mute status is indicated by a blue Mute Mic menu button, a blue dot in the Astral transmitter Status indicator, and the Astral transmitter Audio and Status LEDs turn solid blue.

XLR Input Type (Astral TX Only)

Tap the XLR Input Type button to select the balanced XLR Input Type. When a Lav or Guitar is connected, the Astral TX's XLR Input Type is automatically set, and the button is grayed out.

Lav Mic Type (Astral TX Only)
Select between Normal and 3-Wire. Note that the Astral TX's auto-input type sensing is disabled when set to 3-Wire.

Privacy
Tap the Privacy button to generate or clear a privacy key. The receiver must be set to the same Privacy key to decode the signal. The Privacy button goes green when the Privacy is active (Privacy key is non-zero).

Information
Displays the recommended antenna and TV Channel (where applicable) of the set frequency, the Astral transmitter's firmware version and serial number, and compliance documentation for local government requirements, if applicable.

Options
The Options menu provides access to less frequently changed transmitter settings:

Auto-Power with Lemo Connection (Astral Mini and Astral TX only) The Astral Mini and Astral TX can auto-detect the presence of a Lemo connection and power on and off accordingly. When 'Auto-power with Lemo Connection' is active, connecting a Lemo automatically powers the transmitter on. Removing the Lemo connection automatically powers the transmitter off. This feature can be turned on or off.

Resume Record Upon Powering On

When 'Resume Record Upon Powering On' is active, the Astral transmitter resumes the state of the recorder when it was previously powered off. This menu item is not available when in RF Only mode.

Allow Extra High RF Power

Activate this option when you want the Extra High RF Power settings available in the RF

Power menu. See RF Power

Enable NexLink
Activate this option when using Astral Receivers to control the transmitter via NexLink. It is recommended to disable NexLink when Astral Remote is to be used as primary control interface as this will improve range.

Astral TX Switch (Astral TX Only)

Determines the function of the optional bayonet-style Astral TX on/off switch. Select from:

- None
- Mute
- Record
- Power
- RF On/Off
- Aux On/Off

Display (Astral Mini Plus, Astral TX, and Astral HH Only)

Accesses settings pertaining to the ePaper display:

- Orientation: Allows the display to be flipped so that it can be read easily when the transmitter is upside down.
  - Normal
  - Flipped
- Background: Selects between light and dark background colors.

- Display LEDs (Astral HH only): Selects what the Astral HH's display LEDs indicate. Choose from:

○ Off
○ Battery Level
○ Audio Level
○ Mute
○ Record
○ RF Off
○ Aux

● Display Name: Top or Center. Determines whether the transmitter name appears top or center in the ePaper display.

LEDs
Transmitter LEDs can be turned on or off. Turn the LEDs off when you need the transmitter to be discreet. Available options:

- All Off
- All On
- Top Only (Astral TX Only)
- Front Only (Astral TX Only

Battery Type (Astral Mini Only)
Select whether a Battery Doubler is in use or not.

- Normal Battery
- Battery Doubler

Battery Chemistry (Astral TX Only)
To ensure accurate battery level threshold monitoring (green, orange, red, flashing red, and shutdown voltage), set the chemistry to match the type of battery being used. When using 1.2 to 1.5V battery types, the following options are available:

- Alkaline
- NiMH
- Lithium (primary)

Format Media
Formatting the transmitter media deletes all recorded files. It is good practice to periodically format the recording storage media. Make certain to transfer any files before formatting. The first eleven characters of the transmitter name are used as the volume name of the storage media.

Restore Defaults
Touch the Restore Defaults button to restore the transmitter to factory defaults.

Astral Receiver Settings (Astral ARX32, Astral ARX16, Astral ARX8)

The table below details the receiver commands that are displayed in the Device View when a paired Astral
receiver is selected in the Device List.

Synchronize Date/Time and Country
Tap the button to synchronize the mobile device's Country, Date, and Time to the Astral Receiver.
Once synchronized, the Astral receiver must be rebooted. Upon reboot, the Astral receiver sends the
Country, Date, and Time to its NexLinked transmitters. This ensures that Astral transmitters and
receiver are correctly set to the same Country which is a requirement for proper operation.

Send Frequency Authorization
Tap the button to send an Authorization to an Astral receiver.
See Frequency Authorization for more information.

Group Control

Multiple Astral transmitters can be controlled as a group from the Astral Remote app. Group Control drastically simplifies the workflow and saves time when changing settings of multiple Astral transmitters.

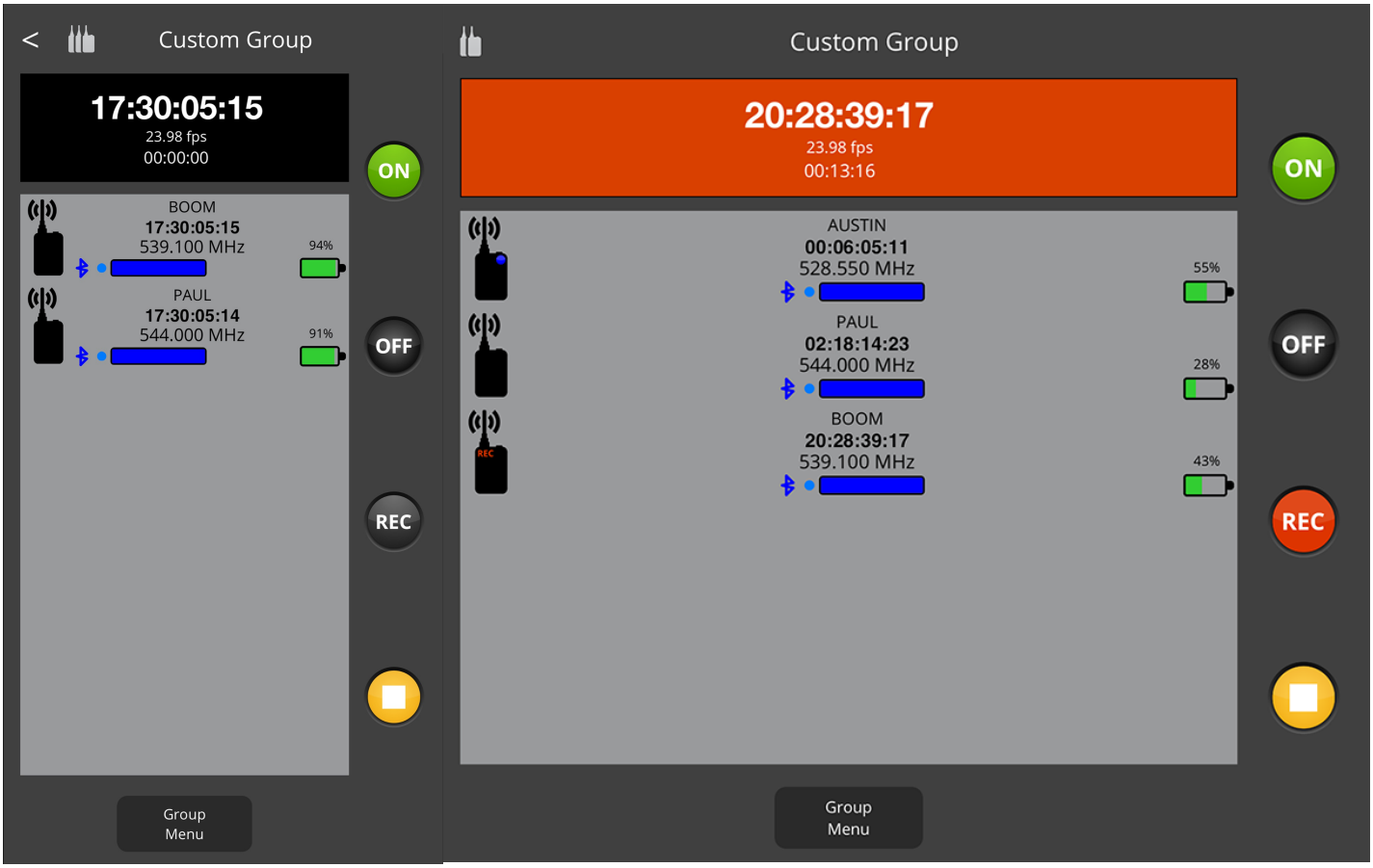
Two groups are available: The 'All Transmitters' group for controlling all enabled transmitters and a 'Custom group' for controlling a select user-defined group of transmitters.

Groups appear at the top of the Device List. When selected, the Group Control View is displayed.

Group Control View

The Group View displays a scrollable list of all available Astral transmitters in the group.

Transmitters are displayed with the same information shown in the Device List. Tapping a transmitter accesses the Astral Transmitter's View.



The Recording and Timecode window displays timecode, frame rate, and an absolute record time counter. The window is red when recording and black when stopped. This window is not displayed in RF Only mode. The first transmitter in the group list is used to display the details of the Recording and Timecode window.

Controlling a Group of Astral transmitters

Touch any button in the Group View to apply the function to all available transmitters in the group.

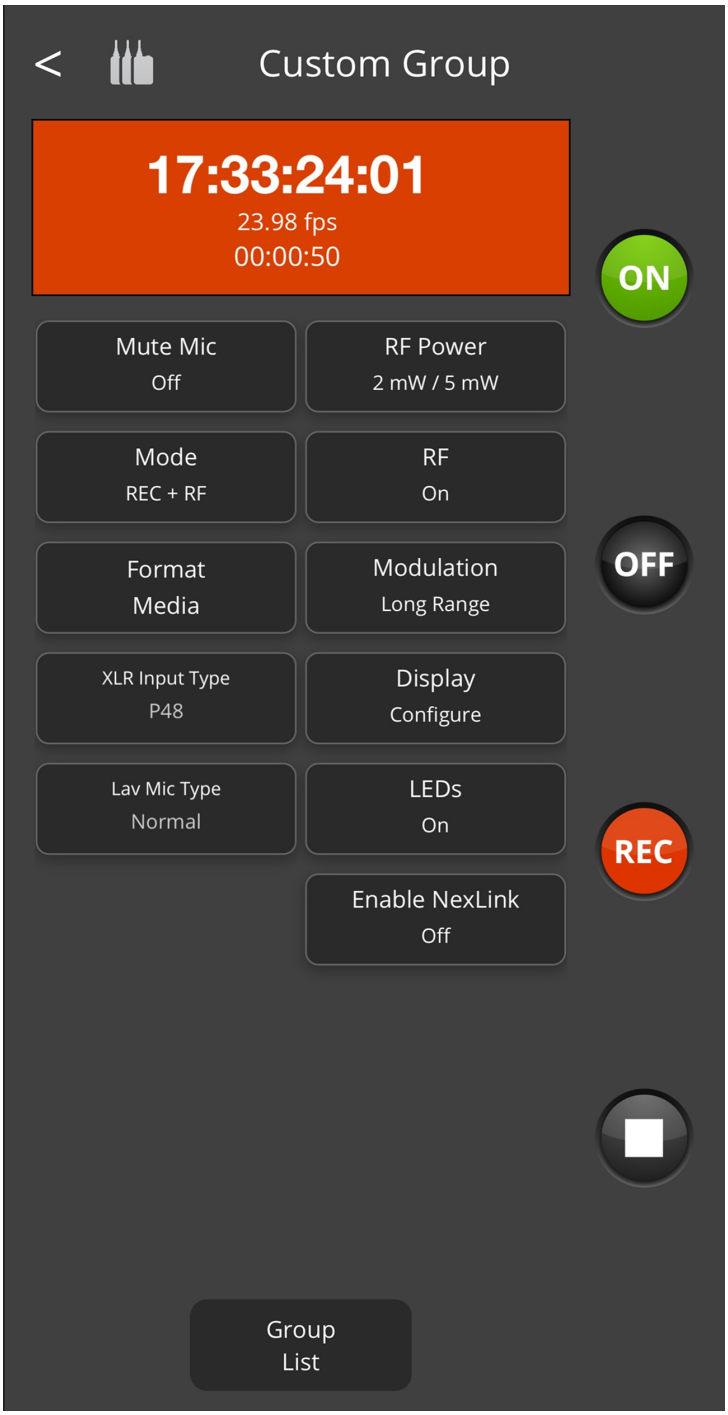
Icon	Description
	Group Power On Touch the Group Power ON button to power on the group of transmitters. The button is black when the transmitters are off and green when on.
	Group Power Off Touch the Group Power OFF button to power off the group of transmitters. The button is gray when the group is off and black when on. By default, a confirmation pop-up message appears when powering off Astral transmitters from the app. This can be deactivated in ‘Manage Devices’ by deactivating ‘Power off from app requires confirmation’.
	Group Record Tap the Group Record button to start recording on the group of Astral transmitters. The button is red while the group is recording and black when stopped. The button is gray when recording is not permitted.
	Group Stop Tap the Group Stop button to stop recording on the group of Astral transmitters. The button is yellow while stopped and black when recording. The button is gray when recording is not permitted.
	Partial Partial is displayed in between the ON and OFF buttons and in between the Record and Stop buttons when there is a mismatch between transmitters in the group. For example, if the group is powered on and an individual Astral transmitter is then powered off, “Partial” flashes between the ON and OFF buttons.

Group Status Screen

A Group Status screen appears while Astral Remote is sending commands to transmitters in the group. The status of the command sent is displayed for each Astral transmitter in the group. The status text is green while sending the command, white when successful, and red if the Astral transmitter was unable to accept the command. Tap the Cancel button to abort the group command. Canceling a command does not revert any changes already applied and may result with the group in a “Partial” state.

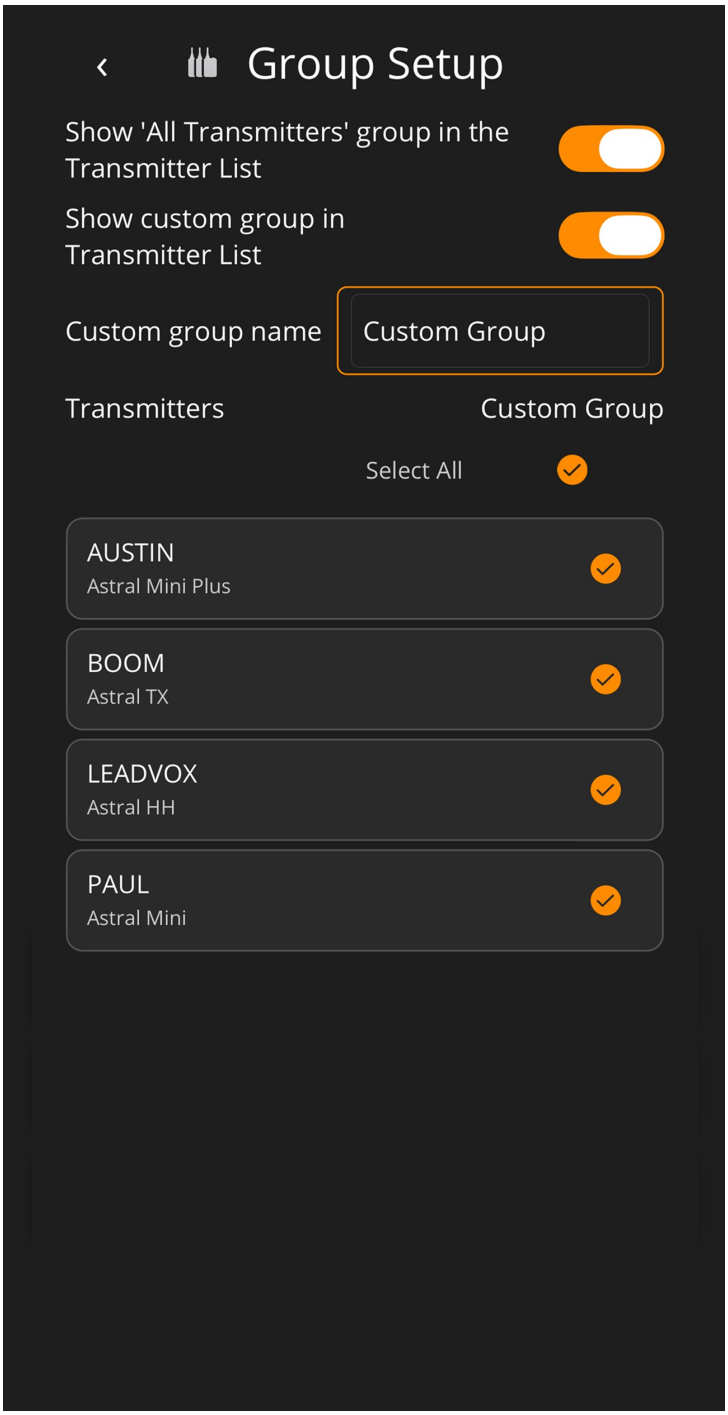
Group Menu

The Group Menu provides access to Mute, RF Power, Mode, RF, LEDs, Modulation, XLR Input Type, Lav Mic Type, Display (Orientation and Background), Format Media, and NexLink On/Off commands for all transmitters in the group. Partial is displayed in the menu button when transmitters in the group have mismatched settings. Tap the Group List button at the bottom of the view to return to the Group Control View.



Group Setup

Navigate to Manage Devices > Group Setup to change group options and create a custom group.



Show “All Transmitters” Group in the Device List

When active, the All Transmitters group is displayed and accessible from the Device List. Deactivate to remove the All Transmitters group from the Device List.

Show Custom Group in the Device List

When active, the custom group is displayed and accessible from the Device List. Deactivate to remove the custom group from the Device List.

Custom Group Name

Tap the text box and use the pop-up QWERTY keyboard to rename the custom group. Up to twelve alphanumeric characters can be used for the custom group name. Custom Group is the default name.

Assigning Astral Transmitters to the Custom Group

All Astral transmitters paired to the Astral Remote application are displayed in the Group Setup list. Tap the Group checkbox to assign or unassign an Astral transmitter to the custom group. Use the ‘Select All’ checkbox to assign or unassign all paired transmitters to the custom group. Astral transmitters assigned to the custom group appear with a Custom Group Indicator in the Device List and Transmitter view.

Selecting a Group from the Device List

Groups appear at the top of the Device List. Groups are shown with the number of available transmitters in the group. Tap a group to enter the Group View.

Frequency Authorization

The wireless system operator needs to be aware of local regulations and comply with all applicable laws regarding operation of wireless devices.

The Frequency Authorizations menu allows the unlocking of restricted frequencies that require proof of a valid license before they can be used. Once a license has been granted, please contact Sound Devices (RF_Request@SoundDevices.com) to obtain the necessary authorization. An Authorization ID and License Code will be generated by Sound Devices based on the license provided. The Authorization ID or License Code can be entered into the Astral Remote App and then synchronized with an Astral ARX8, Astral ARX16, or Astral ARX32 receiver and its paired Astral transmitters.

An example of a frequency band requiring an unlock code in the United States is 1435-1525 MHz. Program Making and Special Events (PMSE) wireless operators typically call 1435-1525 MHz the "AFTRCC band". AFTRCC stands for Aerospace and Flight Test Radio Coordinating Council. This organization coordinates several frequency bands for use by air and spacecraft in the United States. This includes 1435-1525 MHz.

Per the United States Federal Communications Commission (FCC) rules, wireless microphones are allowed as secondary users in the 1435-1525 MHz AFTRCC band. This is detailed in the FCC Part 74 rules: https://www.ecfr.gov/current/title-47/chapter-I/subchapter-C/part-74

One section of the Part 74 rules that is of particular interest to operators seeking an AFTRCC band license is 74.803(d): https://www.ecfr.gov/current/title-47/chapter-I/subchapter-C/part-74#p-74.803(d)

Generally speaking, a wireless operator needs to show they've used all other available spectrum before the AFTRCC will consider a license request in the 1435-1525 MHz range. If granted, the license is normally assigned for a specific location and a specific time range.

Sound Devices encourages all wireless operators to obtain a Part 74 license, and specifically to make sure applicable parts of the 600 MHz and 950 MHz range are included with their license application. This can help show an operator is aware of the available spectrum and is utilizing it responsibly. More information on Part 74 licensing can be found here: https://www.local695.com/fcc-licensing/